

ABSTRACT OF THE DISCLOSURE

A measuring graduation for position measuring systems has a base body formed of a permanently magnetizable material, extending in a measuring direction and having first and second sections alternatingly arranged one after another in the measuring direction and having, respectively, first and second magnetization directions, with the second sections being formed by magnetically weak regions, and with the second magnetization direction of the second sections being defined by the first magnetization direction of adjacent first sections; and the method of magnetization of the base body includes magnetizing the base body in a homogenous outer magnetic field.